

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 1-9 without prejudice as follows:

LISTING OF CLAIMS:

1. – 9. (Cancelled)

10. (Original) A linear motor comprising:

a stator including a stator yoke extending in a motor running direction and a plurality of permanent magnets arranged on the stator yoke at regular intervals along the motor running direction in alternately reversed directions to produce alternating polarities; and

a moving part positioned generally parallel to the permanent magnets of the stator and separated therefrom by a specific gap, the moving part including a plurality of magnetic teeth arranged side by side along the motor running direction and coils wound around the individual magnetic teeth;

wherein each of the magnetic teeth is formed of multiple magnetic tooth elements arranged in tandem in a direction perpendicular to the motor running direction, and each of the coils is wound around said multiple magnetic tooth elements to join them together into a single structure.